



DOCKET NO.: B1102.70022US00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Andrey Z. Jury et al.  
Serial No.: 10/633,448  
Confirmation No.: 4694  
Filed: August 1, 2003  
For: MICROREACTOR  
  
Examiner: David A. Redding  
Art Unit: 1744

**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)**

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to MAIL STOP AMENDMENT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the 13th day of January, 2005.

**Signature**

MAIL STOP AMENDMENT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**STATEMENT FILED PURSUANT TO THE DUTY OF  
DISCLOSURE UNDER 37 C.F.R. §§1.56, 1.97 AND 1.98**

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, the Applicants request consideration of this Information Disclosure Statement.

## PART I: Compliance with 37 C.F.R. §1.97

This Information Disclosure Statement has been filed before the mailing date of a first Office Action on the merits in the above-identified case.

No fee or certification is required.

## PART II: Information Cited

The Applicants hereby make of record in the above-identified application the information listed on the attached form PTO-1449 (modified). The order of presentation of the references should not be construed as an indication of the importance of the references.

The Applicants would like to bring to the Examiner's attention the following co-pending applications that may contain subject matter related to this application:

<u>Docket No.</u>	<u>Serial No.</u>	<u>Filing Date</u>
*B1102.70000US00	09/707,852	11-07-2000
*B1102.70024US00	10/119,917	04-10-2002
*B1102.70010US00	10/457,049	06-05-2003
*B1102.70011US00	10/457,015	06-05-2003
*B1102.70027US00	10/664,046	09-16-2003
*B1102.70028US00	10/664,068	09-16-2003
*B1102.70029US00	10/664,067	09-16-2003

\*A copy of this reference is not provided as the Office has waived the requirement under 37 C.F.R. 1.98(a)(2)(iii) for submitting a copy of each cited U.S. patent application filed after June 30, 2003 (and for applications filed before June 30, 2003, or that entered the national stage before June 30, 2003, if they are scanned to Image File Wrapper system and are available on Private PAIR).

### PART III: Remarks

Documents cited anywhere in the Information Disclosure Statement are enclosed unless otherwise indicated. It is respectfully requested that:

1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;
2. The enclosed form PTO-1449 be signed by the Examiner to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application;
3. The citations for the information be printed on any patent which issues from this application.

By submitting this Information Disclosure Statement, the Applicants make no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist.

By submitting this Information Disclosure Statement, the Applicants make no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

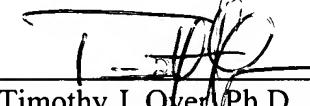
By submitting this Information Disclosure Statement, the Applicants make no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

Notwithstanding any statements by the Applicants, the Examiner is urged to form his own conclusion regarding the relevance of the cited information.

An early and favorable action is hereby requested.

Respectfully submitted,

By:

  
\_\_\_\_\_  
Timothy J. Oyer, Ph.D., Reg. No. 36,628  
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Docket No.: B1102.70022US00  
Date: January 13, 2005  
**xNDDx**



DOCKET NO.: B1102.70022US00

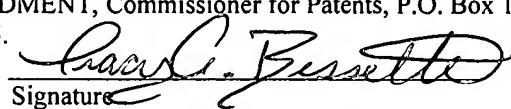
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Signature

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MAIL STOP AMENDMENT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

TRANSMITTAL

Sir:

Transmitted herewith are the following documents:

- Information Disclosure Statement
- PTO Form 1449 with cited references
- Return Receipt Postcard

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at (617) 646-8000, Boston, Massachusetts.

No check is enclosed. If a fee is required, please charge to Deposit Account 23/2825. A duplicate of this sheet is enclosed.

Respectfully submitted,

By:

  
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Timothy J. Oyer, Ph.D., Reg. No. 36,628  
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Boston, Massachusetts 02210-2206  
Telephone: (617) 646-8000

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<b>FORM PTO-1449/A and B (Modified)</b> <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				APPLICATION NO.: 10/633,448	ATTY. DOCKET NO.: B1102.70022US00
				FILING DATE: August 1, 2003	CONFIRMATION NO.: 4694
				APPLICANT: Andrey Z. Jury et al.	
				GROUP ART UNIT: 1744	
Sheet	1	of	6		

**U.S. PATENT DOCUMENTS**

Examiner's Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
	A1	4,720,462		Rosenson	01-19-1988
	A2	4,839,292		Cremonese	06-13-1989
	A3	5,252,294		Kroy et al.	10-12-1993
	A4	5,278,048		Parce et al.	01-11-1994
	A5	5,387,329		Foos et al.	02-07-1995
	A6	5,424,209		Kearney	06-13-1995
	A7	5,436,129		Stapleton	07-25-1995
	A8	5,449,617		Falkenberg et al.	09-12-1995
	A9	5,496,697		Parce et al.	03-05-1996
	A10	5,534,328		Ashmead et al.	07-09-1996
	A11	5,576,211		Falkenberg et al.	11-19-1996
	A12	5,580,523		Bard	12-03-1996
	A13	5,587,128		Wilding et al.	12-24-1996
	A14	5,595,712		Harbster et al.	01-21-1997
	A15	5,602,028		Minchinton	02-11-1997
	A16	5,612,188		Shuler et al.	03-18-1997
	A17	5,632,957		Heller et al.	05-27-1997
	A18	5,639,423		Northrup et al.	06-17-1997
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	A21	5,705,018		Hartley	01-06-1998
	A22	5,840,258		Hyppanen	11-24-1998
	A23	5,842,787		Kopf-Sill et al.	12-01-1998
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	A30	5,964,995		Nikiforov et al.	10-12-1999
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	A35	5,985,119		Zanzucchi et al.	11-16-1999
	A36	5,989,835		Dunlay et al.	11-23-1999
	A37	5,992,769		Wise et al.	11-30-1999

<b>FORM PTO-1449/A and B (Modified)</b> <b>INFORMATION DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b>				APPLICATION NO.: 10/633,448	ATTY. DOCKET NO.: B1102.70022US00
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		Number	Kind Code		
	A38	5,993,750		Ghosh et al.	11-30-1999
	A39	6,001,352		Boyan et al.	12-14-1999
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	A41	6,008,010		Greenberger et al.	12-28-1999
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	A43	6,042,710		Dubrow	03-28-2000
	A44	6,043,080		Lipshutz et al.	03-28-2000
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	A55	6,171,850	B1	Nagle et al.	01-09-2001
	A56	6,186,660	B1	Kopf-Sill et al.	02-13-2001
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	A58	6,235,175	B1	Dubrow et al.	05-22-2001
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<b>FORM PTO-1449/A and B (Modified)</b> <b>INFORMATION DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b>				APPLICATION NO.: 10/633,448	ATTY. DOCKET NO.: B1102.70022US00	
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		Number	Kind Code		
	A75	6,488,895	B1	Kennedy	12-03-2002
	A76	6,488,897	B2	Dubrow et al.	12-03-2002
	A78	6,494,230	B2	Chow	12-17-2002
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Examiner's Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
	A113	2003/0008388	A1	Barbera-Guillem et al.	01-09-2003
	A114	2003/0013203	A1	Jedrzejewski et al.	01-16-2003
	A115	2003/0015429	A1	Dubrow et al.	01-23-2003
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	A131	2004/0053403	A1	Jedrzejewski et al.	03-18-2004
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	A134	2004/0067577	A1	Wilson et al.	04-08-2004
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Examiner's Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document (not necessary)	Date of Publication of Cited Document DD.MM.YYYY	Translation (Y/N)
		Office/Country	Number	Kind Code			
	B1	WO	99/17093	A1	The Regents of the University of Michigan	04.08.1999	
	B2	WO	99/34909	A1	Central Research Laboratories Limited	07.15.1999	
	B3	WO	99/55827	A1	Amersham Pharmacia Biotech UK Ltd.	11.04.1999	
	B4	WO	99/57310	A2	Biochip Technologies GMBH	11.11.1999	

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				Sheet	5	of	6

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		Office/Country	Number	Kind Code			
	B5	WO	00/17624	A2	Cellomics, Inc.	03.30.2000	
	B6	WO	00/43552	A2	Lockheed Martin Energy Research Corp.	27.07.2000	
	B7	WO	00/56870	A1	Biocrystal Ltd.	28.09.2000	
	B8	WO	01/07891	A2	Cellomics, Inc.	02.01.2001	
	B9	WO	01/68257	A1	Bioprocessors Corporation	20.09.2001	
	B10	WO	01/92870	A2	Zeptosens AG	06.12.2001	
	B11	WO	02/083852	A2	Bioprocessors Corporation	24.10.2002	
	B12	WO	03/035824	A1	Barilan University	01.05.2003	
	B13	WO	03/103813	A2	Bioprocessors Corporation	18.12.2003	
	B14	WO	03/104384	A1	Bioprocessors Corporation	18.12.2003	
	B15	WO	2004/016727	A1	Bioprocessors Corporation	26.02.2004	
	B16	WO	2004/016729	A2	Bioprocessors Corporation	26.02.2004	
	B17	WO	2004/069983	A1	Bioprocessors Corporation	19.08.2004	

#### OTHER ART – NON PATENT LITERATURE DOCUMENTS

Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
	C1	HEDIGER, S., et al., "Biosystem for the culture and characterisation of epithelial cell tissues," <i>Sensors and Actuators B</i> 63 (2000) pp. 63-73.	
	C2	SEARBY et al., "Space Life Support From The Cellular Perspective," <i>ICES Proceedings</i> , May 2001	
	C3	International Search Report for International Application Serial No. PCT/US01/07679, published as International Publication No. WO 01/68257, dated 8 June 2001	
	C3	Written Opinion for International Application Serial No. PCT/US01/07679, published as International Publication No. WO 01/68257, dated 11 January 2002	
	C5	International Preliminary Examination Report for International Application Serial No. PCT/US01/07679, published as International Publication No. WO 01/68257, dated 20 May 2002	
	C6	International Search Report for International Application Serial No. PCT/US02/11422, published as International Publication No. WO 02/083852, dated 12 March 2003	
	C7	Written Opinion for International Application Serial No. PCT/US02/11422, published as International Publication No. WO 02/083852, dated 5 May 2003	
	C8	International Preliminary Examination Report for International Application Serial No. PCT/US02/11422, published as International Publication No. WO 02/083852, dated 21 November 2003	

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				Sheet	6	of	6

**OTHER ART — NON PATENT LITERATURE DOCUMENTS**

Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
	C9	Office Action dated 6/4/2003 from U.S. Serial No. 09/707,852	
	C10	Office Action dated 10/6/2003 from U.S. Serial No. 09/707,852	
	C11	Office Action dated 10/6/2003 from U.S. Serial No. 10/119,917	
	C12	Office Action dated 5/19/2004 from U.S. Serial No. 10/119,917	
EXAMINER:		DATE CONSIDERED:	

#EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

\*a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. \_\_\_, filed \_\_\_, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).

[NOTE - The Office hereby waives the requirement under 37 CFR 1.98 (a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication for all U.S. national patent applications filed after June 30, 2003 and for all international applications that have entered the national stage under 35 USC 371 after June 30, 2003. See 37 CFR 1.491(b). For all patent applications filed on or before June 30, 2003, copies of cited U.S. patents and patent application publications are still required unless an eIDS is filed. Copies of all other patent(s), publication(s), or other information listed must still be provided, even if it was previously submitted to, or cited by, the U.S. Patent Office in an earlier application, unless the earlier application is identified by the IDS and is relied upon for an earlier filing date under 35 U.S.C. §120, and the copy was provided in the earlier application.]